

CLAIMS

1. A method of anti-tumor treatment comprising the step of administering a minus-strand RNA viral vector encoding an immunostimulatory cytokine or a cell into which the vector has been
5 introduced.
2. The method of claim 1 further comprising the step of immunizing with a tumor antigen or a vector expressing the antigen.
- 10 3. The method of claim 2, wherein the immunization is achieved by subcutaneously inoculating the tumor antigen or the antigen-expressing vector.
4. The method of claim 2, wherein the tumor antigen is a tumor cell that has lost growth ability or a tumor cell lysate.
- 15 5. The method of claim 1, wherein the tumor is a brain tumor.
6. The method of claim 1, wherein the immunostimulatory cytokine is interleukin-2.
- 20 7. An anti-tumor composition which comprises as an active ingredient a minus-strand RNA viral vector encoding an immunostimulatory cytokine or a cell introduced with the vector.
8. The composition of claim 7, wherein the immunostimulatory cytokine is interleukin-2.
- 25 9. An anti-tumor treatment kit comprising: (a) a minus-strand RNA viral vector encoding an immunostimulatory cytokine and (b) a tumor antigen or a vector expressing the antigen.
10. The kit of claim 9, wherein the immunostimulatory cytokine is interleukin-2.